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**TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A SUBMISSION UNDER 35 U.S.C. 371**

INTERNATIONAL APPLICATION NO.  
PCT/JP2006/301346INTERNATIONAL FILING DATE  
27 JANUARY 2006ATTORNEY'S DOCKET NUMBER  
06550/LH

U.S. APPLICATION NO. (if known, see 37 CFR 1.5)

10/593539

PRIORITY DATE CLAIMED  
28 JANUARY 2005

## TITLE OF INVENTION

UWB SHORT-RANGE RADAR

## APPLICANT(S) FOR DO/EO/US

Tasuku TESHIROGI; Sumio SAITO; Masaharu UCHINO &amp; Masanori EJIMA.

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1.  This is a **FIRST** submission of items concerning a submission under 35 U.S.C. 371.
2.  This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371.
3.  This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4.  The US has been elected (Article 31).
5.  A copy of the International Application as filed (35 U.S.C. 371(c)(2))
  - a.  is attached hereto (required only if not communicated by the International Bureau).
  - b.  has been communicated by the International Bureau.
  - c.  is not required, as the application was filed in the United States Receiving Office (RO/US).
6.  An English language translation of the International Application as filed (35 U.S.C. 371(c)(2))
  - a.  is attached hereto.
  - b.  has been previously submitted under 35 U.S.C. 154(d)(4).
7.  Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
  - a.  are attached hereto (required only if not communicated by the International Bureau).
  - b.  have been communicated by the International Bureau.
  - c.  have not been made; however, the time limit for making such amendments has NOT expired.
  - d.  have not been made and will not be made.
8.  An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9.  An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10.  An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

## Items 11 to 20 below concern document(s) or information included:

11.  An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12.  An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13.  A preliminary amendment.
14.  An Application Data Sheet under 37 CFR 1.76.
15.  A substitute specification.
16.  A power of attorney and/or change of address letter.
17.  A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821-1.825.
18.  A second copy of the published International Application under 35 U.S.C. 154(d)(4).
19.  A second copy of the English language translation of the International application under 35 U.S.C. 154(d)(4).
20.  Other items or information:

13 sheets formal drawings (Figs. 1-26); Int. search report; 08A and 08B forms; Change of correspondence address; Request for Pub. Of Assignment Info; 1<sup>st</sup> page Int. appln; 9 references; forms PCT/ISA/237; PCT Request; PCT/IB/311.

Express Mail Label No. EV 919 339 285 US

Date of Deposit: September 19, 2006

I hereby certify that this paper is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above with sufficient postage, and is addressed to the Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria VA 22313-1450.

Barbara Villani

*B. Villani*

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U.S. APPLICATION NO. (If known, see 37 CFR 1.5) <b>10/1503539</b>		INTERNATIONAL APPLICATION NO. <b>PCT/JP2006/301346</b>		ATTORNEY'S DOCKET NUMBER <b>06550/LH</b>	
The following fees have been submitted				CALCULATIONS PTO USE ONLY	
21. <input checked="" type="checkbox"/> Basic national fee.....		\$300		\$	300.00
22. <input checked="" type="checkbox"/> Examination fee If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4).....		\$0		\$	200.00
All other situations.....		\$200			
23. <input checked="" type="checkbox"/> Search fee Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority.....		\$100		\$	
International Search Report prepared and provided to the Office.....		\$400		\$	
All other situations.....		\$500		\$	
<b>TOTAL OF 21, 22 and 23 =</b>				\$	<b>900.00</b>
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.				\$	
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE	\$	
- 100 =	/50 =		x \$250	\$	.00
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(h)).				\$	.00
CLAIMS		NUMBER FILED	NUMBER EXTRA	RATE	\$
Total claims		20	- 20 = 0	x \$50	\$ .00
Independent claims		1	- 3 = 0	x \$200	\$ .00
MULTIPLE DEPENDENT CLAIM(S) (if applicable)				+ \$360	\$ .00
		<b>TOTAL OF ABOVE CALCULATIONS =</b>		\$	<b>900.00</b>
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.				\$	
		<b>SUBTOTAL =</b>		\$	<b>900.00</b>
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(l)).				\$	.00
		<b>TOTAL NATIONAL FEE =</b>		\$	<b>900.00</b>
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				\$	40.00
		<b>TOTAL FEES ENCLOSED =</b>		\$	<b>940.00</b>
				Amount to be refunded:	\$ .00
				Amount to be charged:	\$ .00
<p>a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>06-1378</u>. A duplicate copy of this sheet is enclosed.</p> <p>d. <input checked="" type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</p>					
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.					
SEND ALL CORRESPONDENCE TO:					
<b>CUSTOMER NO. 01933</b>					
<p>Leonard Holtz Frishauf, Holtz, Goodman &amp; Chick P.C. 220 5TH AVE FL 16 NEW YORK NY 10001-7708</p>					
<p>LH:bv</p> <p> SIGNATURE</p> <p><u>Leonard Holtz</u> NAME</p> <p><u>22,974</u> REGISTRATION NUMBER</p>					

Attorney Docket No. 06550/LH

Express Mail Mailing Label  
No.: EV 919 339 285 US

**IN THE UNITED STATES PATENT  
AND TRADEMARK OFFICE**

Applicant(s): T. TESHIROGI et al

Serial No. : National Phase of  
PCT/JP2006/301346

Filed : Herewith

For : UWB SHORT-RANGE RADAR

Art Unit :  
Examiner :

**REQUEST FOR PUBLICATION OF  
ASSIGNMENT INFORMATION**

Commissioner for Patents  
P.O. Box 1450,  
Alexandria, VA 22313-1450

S I R :

It is requested that the following assignment information be published as part of the 18 month publication of the present application:

- (1) **Anritsu Corporation**  
5-1-1, Onna, Atsugi-shi,  
Kanagawa 243-8555 JAPAN
- (2) **Matsushita Electric Industrial Co., Ltd.**  
1006, Oaza Kadoma, Kadoma-shi,  
Osaka 571-8501 JAPAN

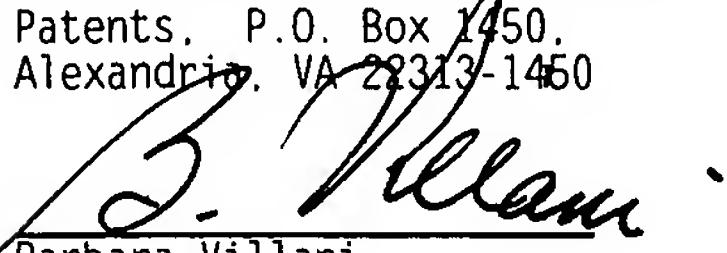
Respectfully submitted,

LEONARD HOLTZ  
Reg. No. 22,974

Frishauf, Holtz, Goodman & Chick, P.C.  
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(212) 319-4900  
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LH/bv

Date of Deposit: September 19, 2006

I hereby certify that this paper is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

  
Barbara Villani

In the event that this Paper is late filed, and the necessary petition for extension of time is not filed concurrently herewith, please consider this as a Petition for the requisite extension of time, and to the extent not tendered by credit card payment attached hereto, authorization to charge the extension fee, or any other fee required in connection with this Paper, to Account No. 06-1378.

10/593539  
IAP9/Rec'd PCT/PTO 19 SEP 2006

PTO/SB/122 (10-00)

Approved for use through 10/31/2002. OMB 0651-0035

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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**CHANGE OF  
CORRESPONDENCE ADDRESS  
*Application***

**Address to:**  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA. 22313-1450

Application Number	Not yet assigned
Filing Date	Herewith
First Named Inventor	TESHIROGI
Group Art Unit	
Examiner Name	
Attorney Docket Number	06550/LH

Please change the Correspondence Address for the above-identified application to:

Customer Number [ 01933 ] →

*OR*

<input type="checkbox"/> Firm or Individual Name			
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This form cannot be used to change the data associated with a Customer Number. To change the data associated with an existing Customer Number use "Request for Customer Number Data Change" (PTO/SB/124).

I am the:

Applicant/Inventor.  
 Assignee of record of the entire interest. Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).  
 Attorney or Agent of record. Registration No. 33,902  
 Registered practitioner named in the application transmittal letter in an application without an executed oath or declaration. See 37 CFR 1.33(a)(1). Registration Number \_\_\_\_\_.

Typed or Printed

Name

Leonard Holtz, Reg. No. 22,974

Signature

Date September 19, 2006 Telephone: (212) 319-4900

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required. See below.

Total of \_\_\_\_\_ forms are submitted.

This collection of information is required by 37 CFR 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 USC 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing and submitting the completed application to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.